Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Ref KMTH/BBMP/3rd Party/2020-21/02 Date : 10-06-2021

To Assistant Executive Engineer
Satellite Town sub division
Yelahanka Bangalore-64

Progress Report No: 02 AMS Layout, Brundavan Layout, Balaji Layout, Duo marvel Layout, Ambabhavani Layout, Chowdappa Layout and GKVK layout.

SUB Comprehensive Development of Roads and Drains at Deo Marvel Layout, AMS Layout, Swagat Layout, Akashavani Layout, Chowdappa Layout & GKVK Layout in ward No:03 & 04 of Yelahanka Division (Package:03)

REF KMTH/BBMP/3rd Party/2020-21/02 Date:07-06-2021
PMC Engineers Mr. Narayanaswamy.B, Nasir Hussain, Srinivas Reddy
Department Engineers / Staff Mr. Krishanappa, Sachin
Contractors: Mr. Damodararaju

Stage of Work:

Executed Quantities

Sl No	Road ID	TotalLength	Scarifying	GSB	Wetmix	DBM	Bitiminous	Road Markings
	Road Asphalat							
	Brundavan Layout							
	1st Main Road	164.50	-	-	-	164.50	164.50	164.50
	2nd Main Road	175.80	-	-	-	175.80	175.80	175.80
	Cross Road-1	56.20	-	-	-	56.20	56.20	56.20
	1st 'A' Cross Road	84.50	-	-	-	84.50	84.50	84.50
	Cross Road-2	152.00	-	-	-	152.00	152.00	152.00
	Balaji Layout							
	2nd Cross Road	71.20	-	-	-	71.20	71.20	71.20
	3rd Cross Road	43.70	-	-	-	43.70	43.70	43.70
	4th Cross Road	35.40	-	-	-	35.40	35.40	35.40
	5th Cross Road	33.00	-	-	-	33.00	33.00	33.00
	6th Cross Road	99.30	-	-	-	99.30	99.30	99.30
	10th Cross Road	171.70	-	-	-	171.70	171.70	171.70
	Maruthi Nagar							
	1st Main Road	110.20	-	-	-	110.20	110.20	110.20
	1st Cross Road	149.00	-	-	-	149.00	149.00	149.00
	2nd Cross Road	57.70	-	-	-	57.70	57.70	57.70
	3rd Cross Road	139.30	-	-	-	139.30	139.30	139.30
	4th Cross Road	125.00	-	-	-	125.00	125.00	125.00
	B.T Nagaraju Layout							
	1st Main Road	296.80	-	-	-	296.80	296.80	296.80
	2nd Main Road	140.00	-	-	-	140.00	140.00	140.00
	Cross Road	30.00	-	-	-	30.00	30.00	30.00
	13th Cross Road	25.00	-	-	-	25.00	25.00	25.00
	14th Cross Road	28.00	-	-	-	28.00	28.00	28.00
	15th Cross Road	28.00	-	-	-	28.00	28.00	28.00
	Chowdappa Layout							
	1st Main Road	232.00	-	-	-	232.00	232.00	232.00
	Ambabhavani Layout							

Off & Lab :No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094
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Executive ...
Bruhat Bengaluru Mahanagara Palike
Yelahanka, Division

	~~Main Road~~	~~310.00~~	~~-~~	~~-~~	~~-~~	~~310.00~~	~~310.00~~	~~310.00~~
	7th Cross Road	189.30	-	-	-	189.30	189.30	189.30
	8th Cross Road	185.00	-	-	-	185.00	185.00	185.00
CONCLUSION		*The Items of Works Executed to date are satisfactory & Confirm to the specification & Drawing*						

Your`s Faithfully

For Karnataka Material Test House Pvt Ltd.,

Managing Director

Assistant Engineer

Asst. Executive Engineer

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/DGBM/1161/2021-22	DGBM	25-05-2021

TEST REPORT ON DENSE GRADED BITUMINOUS MACADAM(DGBM)

Name of Client & Address	Executive Engineer Yelahanka Division Bruhat Bangalore Mahanagara Palike Bangalore - 64
Name of Agency & Address	Sri P Damodara Raju , No:19, 1st Main , Nrupatunganagara, J.P. Nagara Bangalore -560078
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	"Comprehensive Development of Roads and Drains at Deo Marvel Layout,AMS Layout ,Swagat layout ,Akashvani Layout ,Chowdappa Layout and GKVK layout in ward no 3 & 4 of Yelahanka Division (PACKAGE NO -03)"
Work Order No	BBMP/EE/YNK.D/EPMT-04/W.O/165/2020-21
Job Code No	003-21-000046
Source of Sample	Supplied by the Client
Date of Testing	25-05-2021
Technical Referance	MORTH SPECIFICATIONS

BC MATERIAL	*Weight of sample taken*	*1000*	*gm*	*GRADE-II*

I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
37.5	0.0	0	0.00	100.00	100
26.5	35.6	35.6	3.56	96.44	90-100
19	206.4	242	24.20	75.80	71-95
13.2	162.2	404.2	40.42	59.58	56-80
4.75	120.1	524.3	52.43	47.57	38-54
2.36	121.2	645.5	64.55	35.45	28-42
0.3	171.2	816.7	81.67	18.33	7--21
0.075	162.2	978.9	97.89	2.11	2--8

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	515.2	484.2	31.00	6.02
2	512.2	483.2	29.00	5.66
3	510.8	482.0	28.80	5.64
4	514.2	483.4	30.80	5.99

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt Ltd. Bangalore

Approved by
Narayanaswamy B

Note:
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Executive Engineer
Bruhat Bangalore Mahanagara Palike
Yelahanka Division

Off & Lab :No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094
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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No:	KMTH/DGBM/1182/2021-22	Date	26-05-2021

TEST REPORT ON DENSE GRADED BITUMINOUS MACADAM(DGBM)

Name of Client & Address	Executive Engineer Yelahanka Division Bruhat Bangalore Mahanagara Palike Bangalore - 64
Name of Agency & Address	Sri P Damodara Raju , No:19, 1st Main , Nrupatunganagara, J.P. Nagara Bangalore -560078
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	"Comprehensive Development of Roads and Drains at Deo Marvel Layout,AMS Layout ,Swagat layout ,Akashvani Layout ,Chowdappa Layout and GKVK layout in ward no 3 & 4 of Yelahanka Division (PACKAGE NO -03)"
Work Order No	BBMP/EE/YNK.D/EPMT-04/W.O/165/2020-21
Job Code No	003-21-000046
Source of Sample	Supplied by the Client
Date of Testing	26-05-2021
Technical Referance	MORTH SPECIFICATIONS

BC MATERIAL	*Weight of sample taken*	*1000*	*gm*		*GRADE-II*
IS Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
37.5	0.0	0	0.00	100.00	100
26.5	55.4	55.4	5.54	94.46	90-100
19	226.6	282	28.20	71.80	71-95
13.2	132.4	414.4	41.44	58.56	56-80
4.75	99.6	514	51.40	48.60	38-54
2.36	152.4	666.4	66.64	33.36	28-42
0.3	182.4	848.8	84.88	15.12	7–21
0.075	125.8	974.6	97.46	2.54	2–8

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	500.0	471.6	28.40	5.68
2	502.2	470.1	32.10	6.39
3	500.4	472.6	27.80	5.56
4	501.2	471.0	30.20	6.03

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy B

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ಬ.ಬ.ಮ.ಪ. ಬೆಂಗಳೂರು-೦೬

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Executive Engineer
Bruhat Bengaluru Mahanagara Palike
Yelahanka, Division

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/DGBM/1163/2021-22	Date	27-05-2021

TEST REPORT ON DENSE GRADED BITUMINOUS MACADAM(DGBM)

Name of Client & Address	Executive Engineer Yelahanka Division Bruhat Bangalore Mahanagara Palike Bangalore - 64
Name of Agency & Address	Sri P Damodara Raju , No:19, 1st Main , Nrupatunganagara, J.P. Nagara Bangalore -560078
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	"Comprehensive Development of Roads and Drains at Deo Marvel Layout,AMS Layout ,Swagat layout ,Akashvani Layout ,Chowdappa Layout and GKVK layout in ward no 3 & 4 of Yelahanka Division (PACKAGE NO -03)"
Work Order No	BBMP/EE/YNK.D/EPMT-04/W.O/165/2020-21
Job Code No	003-21-000046
Source of Sample	Supplied by the Client
Date of Testing	27-05-2021
Technical Referance	MORTH SPECIFICATIONS

BC MATERIAL	*Weight of sample taken*	*1000*	*gm*		*GRADE-II*
I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
37.5	0.0	0	0.00	100.00	100
26.5	50.2	50.2	5.02	94.98	90-100
19	199.6	249.8	24.98	75.02	71-95
13.2	153.4	403.2	40.32	59.68	56-80
4.75	112.2	515.4	51.54	48.46	38-54
2.36	154.6	670	67.00	33.00	28-42
0.3	184.6	854.6	85.46	14.54	7–21
0.075	142.6	997.2	99.72	0.28	2–8

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	510.0	481.6	28.40	5.57
2	507.6	480.6	27.00	5.32
3	511.2	480.2	31.00	6.06
4	512.4	481.8	30.60	5.97

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

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ಬ.ಬ.ಮ.ಪ. ಬೆಂಗಳೂರು-10೯

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Yelahanka, Division

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No:	KMTH/DGBM/1104/2021-22	Date	27-05-2021

TEST REPORT ON DENSE GRADED BITUMINOUS MACADAM(DGBM)

Name of Client & Address	Executive Engineer Yelahanka Division Bruhat Bangalore Mahanagara Palike Bangalore - 64
Name of Agency & Address	Sri P Damodara Raju , No:19, 1st Main , Nrupatunganagara, J.P. Nagara Bangalore -560078
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	"Comprehensive Development of Roads and Drains at Deo Marvel Layout,AMS Layout ,Swagat layout ,Akashvani Layout ,Chowdappa Layout and GKVK layout in ward no 3 &
Work Order No	BBMP/EE/YNK.D/EPMT-04/W.O/165/2020-21
Job Code No	003-21-000046
Source of Sample	Supplied by the Client
Date of Testing	27-05-2021
Technical Referance	MORTH SPECIFICATIONS

BC MATERIAL	*Weight of sample taken*	*1000*	*gm*		*GRADE-II*
I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
37.5	0.0	0	0.00	100.00	100
26.5	34.6	34.6	3.46	96.54	90-100
19	211.4	246	24.60	75.40	71-95
13.2	172.4	418.4	41.84	58.16	56-80
4.75	121.6	540	54.00	46.00	38-54
2.36	111.2	651.2	65.12	34.88	28-42
0.3	182.6	833.8	83.38	16.62	7--21
0.075	132.6	966.4	96.64	3.36	2--8

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	514.2	483.2	31.00	6.03
2	513.2	482.4	30.80	6.00
3	512.4	481.2	31.20	6.09
4	512.2	482.6	29.60	5.78

** As furnished by the client*

For Karnataka Material Test House Pvt ltd ,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

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Executive Engineer
Bruhat Bengaluru Mahanagara Palike
Yelahanka, Division

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/DGBM/1165/2021-22	Date	02-06-2021

TEST REPORT ON DENSE GRADED BITUMINOUS MACADAM(DGBM)

Name of Client & Address	Executive Engineer Yelahanka Division Bruhat Bangalore Mahanagara Palike Bangalore - 64
Name of Agency & Address	Sri P Damodara Raju , No:19, 1st Main , Nrupatunganagara, J.P. Nagara Bangalore -560078
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	"Comprehensive Development of Roads and Drains at Deo Marvel Layout,AMS Layout ,Swagat layout ,Akashvani Layout ,Chowdappa Layout and GKVK layout in ward no 3 & 4 of Yelahanka Division (PACKAGE NO -03)"
Work Order No	BBMP/EE/YNK.D/EPMT-04/W.O/165/2020-21
Job Code No	003-21-000046
Source of Sample	Supplied by the Client
Date of Testing	02-06-2021
Technical Referance	MORTH SPECIFICATIONS

BC MATERIAL	*Weight of sample taken*	*1000*	*gm*		*GRADE-II*
I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
37.5	0.0	0	0.00	100.00	100
26.5	60.2	60.2	6.02	93.98	90-100
19	196.8	257	25.70	74.30	71-95
13.2	152.2	409.2	40.92	59.08	56-80
4.75	99.6	508.8	50.88	49.12	38-54
2.36	85.4	594.2	59.42	40.58	28-42
0.3	216.2	810.4	81.04	18.96	7--21
0.075	132.6	943	94.30	5.70	2--8

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	510.2	472.4	37.80	7.41
2	512.4	473.2	39.20	7.65
3	513.2	473.6	39.60	7.72
4	513.2	472.8	40.40	7.87

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy B

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ಜ.ಜ.ಮ.ಪಾ. ಬೆಂಗಳೂರು-106

Executive Engineer
Bruhat Bangaluru Mahanagara Palike
Yelahanka, Division

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/DGBM/1166/2021-22	Date	03-06-2021

TEST REPORT ON DENSE GRADED BITUMINOUS MACADAM(DGBM)

Name of Client & Address	Executive Engineer Yelahanka Division Bruhat Bangalore Mahanagara Palike Bangalore - 64
Name of Agency & Address	Sri P Damodara Raju , No:19, 1st Main , Nrupatunganagara, J.P. Nagara Bangalore -560078
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	"Comprehensive Development of Roads and Drains at Deo Marvel Layout,AMS Layout ,Swagat layout ,Akashvani Layout ,Chowdappa Layout and GKVK layout in ward no 3 & 4 of Yelahanka Division (PACKAGE NO -03)"
Work Order No	BBMP/EE/YNK.D/EPMT-04/W.O/165/2020-21
Job Code No	003-21-000046
Source of Sample	Supplied by the Client
Date of Testing	03-06-2021
Technical Referance	MORTH SPECIFICATIONS

BC MATERIAL	*Weight of sample taken*	*1000*	*gm*		*GRADE-II*
I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
37.5	0.0	0	0.00	100.00	100
26.5	61.2	61.2	6.12	93.88	90-100
19	211.2	272.4	27.24	72.76	71-95
13.2	121.2	393.6	39.36	60.64	56-80
4.75	86.4	480	48.00	52.00	38-54
2.36	132.2	612.2	61.22	38.78	28-42
0.3	196.2	808.4	80.84	19.16	7--21
0.075	129.8	938.2	93.82	6.18	2--8

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	516.2	482.2	34.00	6.59
2	515.4	479.6	35.80	6.95
3	514.2	478.4	35.80	6.96
4	514.6	480.2	34.40	6.68

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K B

Approved by
Narayanswamy B

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ಬ.ಬೃ.ಮ. ಬೆಂಗಳೂರು-10೯

Off & Lab :No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094
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Executive Engineer
Bruhat Bangalore Mahanagara Palike
Yelahanka Division

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No:	KMTH/DGBM/1167/2021-22	Date:	03-06-2021

TEST REPORT ON DENSE GRADED BITUMINOUS MACADAM(DGBM)

Name of Client & Address	Executive Engineer Yelahanka Division Bruhat Bangalore Mahanagara Palike Bangalore - 64
Name of Agency & Address	Sri P Damodara Raju , No:19, 1st Main , Nrupatunganagara, J.P. Nagara Bangalore -560078
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	"Comprehensive Development of Roads and Drains at Deo Marvel Layout,AMS Layout ,Swagat layout ,Akashvani Layout ,Chowdappa Layout and GKVK layout in ward no 3 &
Work Order No	BBMP/EE/YNK.D/EPMT-04/W.O/165/2020-21
Job Code No	003-21-000046
Source of Sample	Supplied by the Client
Date of Testing	03-06-2021
Technical Referance	MORTH SPECIFICATIONS

BC MATERIAL	*Weight of sample taken*	*1000*	*gm*		*GRADE-II*
I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
37.5	0.0	0	0.00	100.00	100
26.5	29.6	29.6	2.96	97.04	90-100
19	186.6	216.2	21.62	78.38	71-95
13.2	165.2	381.4	38.14	61.86	56-80
4.75	119.4	500.8	50.08	49.92	38-54
2.36	121.2	622	62.20	37.80	28-42
0.3	192.4	814.4	81.44	18.56	7--21
0.075	142.0	956.4	95.64	4.36	2--8

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	510.2	476.2	34.00	6.66
2	511.2	478.4	32.80	6.42
3	510.4	477.6	32.80	6.43
4	510.6	478.2	32.40	6.35

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

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ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ ಯಲಹಂಕ ವಿಭಾಗ ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ ಬೆಂಗಳೂರು-106

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Yelahanka, Division

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/BC/1150/2021-22	Date	09-06-2021

TEST REPORT ON BITUMIOUS CONCRETE

Name of Client & Address	Executive Engineer Yelahanka Division Bruhat Bangalore Mahanagara Palike Bangalore - 64
Name of Agency & Address	Sri P Damodara Raju , No:19, 1st Main , Nrupatunganagara, J.P. Nagara Bangalore -560078
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	"Comprehensive Development of Roads and Drains at Deo Marvel Layout,AMS Layout ,Swagat layout ,Akashvani Layout ,Chowdappa Layout and GKVK layout in ward no 3 & 4 of Yelahanka Division (PACKAGE NO -03)"
Work Order No	BBMP/EE/YNK.D/EPMT-04/W.O/165/2020-21
Job Code No	003-21-000046
Source of Sample	Supplied by the Client
Date of Testing	09-06-2021
Technical Referance	MORTH SPECIFICATIONS

BC MATERIAL	*Weight of sample taken*	*1000*	*gm*	*GRADE-II*

I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
19	0.0	0	0.00	100.00	100
13.2	39.6	39.6	3.96	96.04	90-100
9.5	228.8	268.4	26.84	73.16	70-88
4.75	156.4	424.8	42.48	57.52	53-71
2.36	102.4	527.2	52.72	47.28	42-58
1.18	82.6	609.8	60.98	39.02	34-48
0.6	78.6	688.4	68.84	31.16	26-38
0.3	82.4	770.8	77.08	22.92	18-28
0.15	90.6	861.4	86.14	13.86	12--20
0.075	85.2	946.6	94.66	5.34	4--10

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	502.6	472.2	30.40	6.05
2	503.4	472.4	31.00	6.16
3	505.8	474.6	31.20	6.17
4	505.6	473.2	32.40	6.41

As furnished by the client

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy B

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Executive Engineer
Bruhat Bangalore Mahanagara Palike
Yelahanka Division

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/BC/1151/2021-22	Date	09-06-2021

TEST REPORT ON BITUMIOUS CONCRETE

Name of Client & Address	Executive Engineer Yelahanka Division Bruhat Bangalore Mahanagara Palike Bangalore - 64
Name of Agency & Address	Sri P Damodara Raju , No:19, 1st Main , Nrupatunganagara, J.P. Nagara Bangalore -560078
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	"Comprehensive Development of Roads and Drains at Deo Marvel Layout,AMS Layout ,Swagat layout ,Akashvani Layout ,Chowdappa Layout and GKVK layout in ward no 3 & 4 of Yelahanka Division (PACKAGE NO -03)"
Work Order No	BBMP/EE/YNK.D/EPMT-04/W.O/165/2020-21
Job Code No	003-21-000046
Source of Sample	Supplied by the Client
Date of Testing	09-06-2021
Technical Referance	MORTH SPECIFICATIONS

BC MATERIAL	*Weight of sample taken*	*1000*	*gm*		*GRADE-II*
I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
19	0.0	0	0.00	100.00	100
13.2	30.6	30.6	3.06	96.94	90-100
9.5	233.4	264	26.40	73.60	70-88
4.75	152.4	416.4	41.64	58.36	53-71
2.36	102.4	518.8	51.88	48.12	42-58
1.18	86.6	605.4	60.54	39.46	34-48
0.6	95.8	701.2	70.12	29.88	26-38
0.3	62.2	763.4	76.34	23.66	18-28
0.15	72.2	835.6	83.56	16.44	12--20
0.075	82.6	918.2	91.82	8.18	4--10

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	500.2	468.2	32.00	6.40
2	500.0	467.8	32.20	6.44
3	502.2	469.8	32.40	6.45
4	500.4	468.2	32.20	6.43

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy B

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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/BC/1152/2021-22	Date	10-06-2021

TEST REPORT ON BITUMIOUS CONCRETE

Name of Client & Address	Executive Engineer Yelahanka Division Bruhat Bangalore Mahanagara Palike Bangalore - 64
Name of Agency & Address	Sri P Damodara Raju , No:19, 1st Main , Nrupatunganagara, J.P. Nagara Bangalore -560078
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	"Comprehensive Development of Roads and Drains at Deo Marvel Layout,AMS Layout ,Swagat layout ,Akashvani Layout ,Chowdappa Layout and GKVK layout in ward no 3 & 4 of Yelahanka Division (PACKAGE NO -03)"
Work Order No	BBMP/EE/YNK.D/EPMT-04/W.O/165/2020-21
Job Code No	003-21-000046
Source of Sample	Supplied by the Client
Date of Testing	10-06-2021
Technical Referance	MORTH SPECIFICATIONS

BC MATERIAL	*Weight of sample taken*	*1000*	*gm*		*GRADE-II*
I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
19	0.0	0	0.00	100.00	100
13.2	33.4	33.4	3.34	96.66	90-100
9.5	212.2	245.6	24.56	75.44	70-88
4.75	142.2	387.8	38.78	61.22	53-71
2.36	102.8	490.6	49.06	50.94	42-58
1.18	91.2	581.8	58.18	41.82	34-48
0.6	89.8	671.6	67.16	32.84	26-38
0.3	86.6	758.2	75.82	24.18	18-28
0.15	76.8	835	83.50	16.50	12--20
0.075	112.2	947.2	94.72	5.28	4--10

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	510.0	477.6	32.40	6.35
2	506.8	475.4	31.40	6.20
3	508.4	476.8	31.60	6.22
4	508.2	475.2	33.00	6.49

* as furnished by the client

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

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Report No	KMTH/BC/1152/2021-22	Date	10-06-2021

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

TEST REPORT ON BITUMIOUS CONCRETE

Name of Client & Address	Executive Engineer Yelahanka Division Bruhat Bangalore Mahanagara Palike Bangalore - 64
Name of Agency & Address	Sri P Damodara Raju , No:19, 1st Main , Nrupatunganagara, J.P. Nagara Bangalore -560078
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	"Comprehensive Development of Roads and Drains at Deo Marvel Layout,AMS Layout ,Swagat layout ,Akashvani Layout ,Chowdappa Layout and GKVK layout in ward no 3 & 4 of Yelahanka Division (PACKAGE NO -03)"
Work Order No	BBMP/EE/YNK.D/EPMT-04/W.O/165/2020-21
Job Code No	003-21-000046
Source of Sample	Supplied by the Client
Date of Testing	10-06-2021
Technical Referance	MORTH SPECIFICATIONS

BC MATERIAL	*Weight of sample taken*	*1000*	*gm*		*GRADE-II*
I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
19	0.0	0	0.00	100.00	100
13.2	31.2	31.2	3.12	96.88	90-100
9.5	209.4	240.6	24.06	75.94	70-88
4.75	139.4	380	38.00	62.00	53-71
2.36	99.8	479.8	47.98	52.02	42-58
1.18	89.4	569.2	56.92	43.08	34-48
0.6	90.2	659.4	65.94	34.06	26-38
0.3	87.4	746.8	74.68	25.32	18-28
0.15	75.4	822.2	82.22	17.78	12--20
0.075	103.2	925.4	92.54	7.46	4--10

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	508.4	476.2	32.20	6.33
2	507.4	477.2	30.20	5.95
3	505.4	474.2	31.20	6.17
4	505.2	475.0	30.20	5.98

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/BC/1154/2021-22	Date	12-06-2021

TEST REPORT ON BITUMIOUS CONCRETE

Name of Client & Address	Executive Engineer Yelahanka Division Bruhat Bangalore Mahanagara Palike Bangalore - 64
Name of Agency & Address	Sri P Damodara Raju , No:19, 1st Main , Nrupatunganagara, J.P. Nagara Bangalore -560078
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	"Comprehensive Development of Roads and Drains at Deo Marvel Layout,AMS Layout ,Swagat layout ,Akashvani Layout ,Chowdappa Layout and GKVK layout in ward no 3 & 4 of Yelahanka Division (PACKAGE NO -03)"
Work Order No	BBMP/EE/YNK.D/EPMT-04/W.O/165/2020-21
Job Code No	003-21-000046
Source of Sample	Supplied by the Client
Date of Testing	12-06-2021
Technical Referance	MORTH SPECIFICATIONS

BC MATERIAL	*Weight of sample taken*	*1000*	*gm*		*GRADE-II*
IS Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
19	0.0	0	0.00	100.00	100
13.2	32.2	32.2	3.22	96.78	90-100
9.5	229.4	261.6	26.16	73.84	70-88
4.75	156.4	418	41.80	58.20	53-71
2.36	112.4	530.4	53.04	46.96	42-58
1.18	96.4	626.8	62.68	37.32	34-48
0.6	102.2	729	72.90	27.10	26-38
0.3	56.4	785.4	78.54	21.46	18-28
0.15	65.4	850.8	85.08	14.92	12--20
0.075	78.6	929.4	92.94	7.06	4--10

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	502.2	469.2	33.00	6.57
2	503.4	468.4	35.00	6.95
3	502.2	471.2	31.00	6.17
4	502.0	469.8	32.20	6.41

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
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Approved by
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Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/BC/1155/2021-22	DATE	17.6.2021

TEST REPORT ON BITUMIOUS CONCRETE

Name of Client & Address	Executive Engineer Yelahanka Division Bruhat Bangalore Mahanagara Palike Bangalore - 64
Name of Agency & Address	Sri P Damodara Raju , No:19, 1st Main , Nrupatunganagara, J.P. Nagara Bangalore -560078
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	"Comprehensive Development of Roads and Drains at Deo Marvel Layout,AMS Layout ,Swagat layout ,Akashvani Layout ,Chowdappa Layout and GKVK layout in ward no 3 & 4 of Yelahanka Division (PACKAGE NO -03)"
Work Order No	BBMP/EE/YNK.D/EPMT-04/W.O/165/2020-21
Job Code No	003-21-000046
Source of Sample	Supplied by the Client
Date of Testing	12-06-2021
Technical Referance	MORTH SPECIFICATIONS

BC MATERIAL	*Weight of sample taken*	*1000*	*gm*		*GRADE-II*
I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
19	0.0	0	0.00	100.00	100
13.2	35.6	35.6	3.56	96.44	90-100
9.5	245.2	280.8	28.08	71.92	70-88
4.75	142.2	423	42.30	57.70	53-71
2.36	110.4	533.4	53.34	46.66	42-58
1.18	96.2	629.6	62.96	37.04	34-48
0.6	92.2	721.8	72.18	27.82	26-38
0.3	60.4	782.2	78.22	21.78	18-28
0.15	82.4	864.6	86.46	13.54	12--20
0.075	71.2	935.8	93.58	6.42	4--10

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	500.6	467.8	32.80	6.55
2	502.4	468.4	34.00	6.77
3	501.4	468.2	33.20	6.62
4	503.2	469.2	34.00	6.76

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanaswamy B

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